

SLC8A1

Reactivity: Human Mouse Rat

Tested applications: WB IHC FC

Recommended Dilution: WB 1:200 - 1:500 IHC 1:50 - 1:100 FC 1:10 - 1:50

Calculated MW: 109kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human SLC8A1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

SLC8A1;CNC; NCX1;

Catalog #: A1496

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 6546

Isotype: IgG

Swiss Prot: P32418

Purity: Affinity purification

For research use only.

Background:

Sodium/calcium exchanger proteins are integral membrane proteins primarily seen in cardiac cells. In cardiac myocytes, the concentration of Ca²⁺ alternates between low levels during relaxation and high levels during contraction. The Na⁺/Ca²⁺ exchanger 1 (NCX1) protein mediates Ca²⁺ extrusion from cardiac cells during relaxation. Four NCX1 isoforms (NCX1.1, NCX1.3, NCX1.7 and NCX1.10) result from alternate splicing. NCX1 mRNA is present at high levels in the heart, with lower levels present in the brain. NCX2 is most abundantly expressed in brain, in contrast to the broader distribution of NCX1, which is also expressed in heart, kidney, lung, smooth and skeletal muscle. The difference in expression for the transporter subtypes is believed to reflect differences in their functional roles. Regulation mechanisms for these exchanger proteins have not been fully characterized.

To place an order, please [Click HERE](#).